

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Bruce B. Doris, *et. al.*

Group Art Unit: Unknown

Serial No.: Not assigned yet

Examiner: unknown

Filed: Concurrently herewith

For: HIGH MOBILITY CMOS CIRCUITS

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.56**

Sir:

Under provisions of 37 C.F.R. 1.97 through 1.99 and pursuant to applicant's duty of disclosure under 37 C.F.R. 1.56, applicants respectfully bring the documents listed on the attached Form PTO-1449 to the attention of the Examiner in charge of the above-identified application.

This citation does not constitute an admission that the cited references are relevant or material to the claims nor should it be construed as a representation that no other art than that identified exists. They are merely cited as constituting related art of which the applicant is aware.

It is respectfully requested that these documents be considered by the Examiner and formally made of record in this application.

Respectfully submitted,



Andrew M. Calderon
Reg. No. 38,093

McGuireWoods LLP
1750 Tysons Boulevard, Suite 1800
McLean, VA 22102
(703)712-5000

FORM PTO-1449 (Modified)			ATTY. DOCKET NO. FIS920030246		SERIAL NO. Unassigned	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT			APPLICANT: Bruce B. Doris, et al.			
			FILING DATE: Concurrently Herewith		GROUP: Unassigned	
(Use several sheets if necessary)						

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS			
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)
	6,228,694 B1	5/8/2001	Doyle et al.			
	6,406,973 B1	6/18/2002	Lee			
	6,281,532 B1	8/28/2001	Doyle et al.			
	5,683,934	11/4/97	Candelaria			
	6,368,931 B1	4/9/2002	Kuhn, et al.			
	5,310,446	5/10/94	Konishi et al.			
	4,853,076	8/1/89	Tsaur et al.			
	US 2002/0090791 A1	7/11/2002	Doyle et al.			
	US 2002/0074598 A1	6/20/2002	Doyle et al.			
	6,509,618 B2	7/21/2003	Jan et al.			
	6,476,462 B2	11/5/2002	Shimizu et al.			
	6,362,082 B1	3/26/2002	Doyle et al.			
	6,228,694 B1	5/8/2001	Doyle et al.			
	5,565,697	10/15/96	Asakawa et al.			
	US 2003/0040158 A1	2/27/2003	Saitoh			
	US 2002/0086472 A1	7/4/2002	Roberds et al.			
	6,521,964 B1	2/18/2003	Jan et al.			
	6,506,652	01/14/03	Jan, et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)								

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		5,081,513	1/14/1992	Jackson, et al.											
		3,602,841	8/31/1971	McGroddy											
		6,531,740	3/11/2003	Bosco, et al.											
		6,531,369	3/11/2003	Ozkan, et al.											
		6,501,121	12/31/2002	Yu, et al.											
		6,498,358	12/24/2002	Lach, et al.											
		6,493,497	12/10/2002	Ramdani, et al.											
		6,403,975	6/11/2002	Brunner, et al.											
		6,361,885	3/26/2002	Chou											
		6,255,169	7/3/2001	Li, et al.											
		6,246,095	6/12/2001	Brady, et al.											
		6,165,383	12/26/2000	Chou											
		6,133,071	10/17/2000	Nagai											
		6,046,464	4/4/2000	Schetzina											
		6,025,280	2/15/2000	Brady, et al.											

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		6,284,626	9/4/2001	Kim					
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		6,261,964	7/17/2001	Wu, et al.					
		6,221,735	4/24/2001	Manley, et al.					
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		6,107,143	8/22/2000	Park, et al.					
		6,090,684	7/18/2000	Ishitsuka, et al.					
		6,066,545	5/23/2000	Doshi, et al.					
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		5,946,559	8/31/1999	Leedy					
		5,840,593	11/24/1998	Leedy					
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	5,557,122	9/17/1996	Shrivastava, et al.			
	5,354,695	10/11/1994	Leedy			
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	2001/0009784	07-26-2001	Ma et al.			

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		Kern Rim, et al., "Transconductance Enhancement in Deep Submicron Strained-Si <i>n</i> -MOSFETs", International Electron Devices Meeting, 26, 8, 1, IEEE, September 1998.
		Kern Rim, et al., "Characteristics and Device Design of Sub-100 nm Strained Si N- and PMOSFETs", 2002 Symposium On VLSI Technology Digest of Technical Papers, IEEE, pp 98-99.
		Gregory Scott, et al., "NMOS Drive Current Reduction Caused by Transistor Layout and Trench Isolation Induced Stress", International Electron Devices Meeting, 34.4.1, IEEE, September 1999.
		F. Ootsuka, et al., "A Highly Dense, High-Performance 130nm node CMOS Technology for Large Scale System-on-a-Chip Application", International Electron Devices Meeting, 23.5.1, IEEE, April 2000.
		Shinya Ito, et al., "Mechanical Stress Effect of Etch-Stop Nitride and its Impact on Deep Submicron Transistor Design", International Electron Devices Meeting, 10.7.1, IEEE, April 2000.
		A. Shimizu, et al., "Local Mechanical-Stress Control (LMC): A New Technique for CMOS-Performance Enhancement", International Electron Devices Meeting, IEEE, March 2001.
		K. Ota, et al., "Novel Locally Strained Channel Technique for high Performance 55nm CMOS", International Electron Devices Meeting, 2.2.1, IEEE, February 2002.

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